

**Notice of Allowability**

Application No.

10/767,667

Examiner

Hoon Song

Applicant(s)

SIKORA, HARALD

Art Unit

2882

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response filed on 8/31/2005.
2. ☒ The allowed claim(s) is/are 1-5, 7-19 and 21-25.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>9/2/2005</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                               | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

## DETAILED ACTION

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Richard A. Arrett on 9/23/2005.

The application has been amended as follows:

In claim 1 at line 26, delete "can be" and insert --are--.

In claim 5 at line 8-9, delete "several fold of" and insert --larger than--.

In claim 12 at line 20, delete "can be" and insert --are--; at line 27, delete "can be" and insert --are--.

In claim 16 at line 6, delete "can measure" and insert --measures--.

In claim 18 at line 6, delete "can measure" and insert --measure--.

In claim 19 at line 8, delete "several fold".

In claim 21 at line 1, delete "claim 20" insert --claim 12--; at line 3, delete "can measure" and insert --measures--.

In claim 22 at line 1, delete "claim 20" insert --claim 12--.

In claim 24 at line 17-18, insert --and-- between "the insulation," and "the position"; at line 19, delete "can be" and insert --are--.

In claim 25 at line 18, delete "can be" and insert --are--.

***Allowable Subject Matter***

Claims 1-5, 7-19 and 21-25 are allowed over prior art.

The following is an examiner's statement of reasons for allowance:

Regarding claims 1-5, 7-19 and 21-23, the prior art fails to teach a device or method to determine a cross-sectional geometry of a flat ribbon cable by shielding two detectors against radiation of an x-ray source, one detector being provided on the same side of the flat ribbon cable as the x-ray source and the other detector being provided on the opposing side for detecting stimulated emission of the x-ray and a third detector placed on the opposing side of the flat ribbon cable to determine a position of the edges of the cable and/or the spacing between each pair of adjacent conductor path from the intensity measured by the third detector as claimed in independent claims 1 and 12.

Regarding claims 24 and 25, the prior art fails to teach a device or method to determine the cross-section geometry of a flat ribbon cable by irradiating the flat ribbon cable and a metal sheet with an x-ray beam to stimulate an emission of x-ray luminescence radiation from a metallic conductor paths and from the metallic sheet with a predetermined intensity and determining a thicknesses of a insulation and the position of the edges of the cable and/or the spacings between each pair of adjacent conductor paths as claimed in independent claims 24 and 25.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoon Song whose telephone number is (571) 272-2494. The examiner can normally be reached on 8:30 AM - 5 PM, Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Glick can be reached on (571) 272 - 2490. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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DAVID V. BRUCE  
PRIMARY EXAMINER